(DRM or (digital and rights)) and (transfer) and (trust or usage or render)
Terms used: DRM digital rights transfer trust usage render

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Results 1 - 15 of 15

1 DRM as a layered system

Pramod A. Jamkhedkar, Gregory L. Heileman
October 2004 DRM '04: Proceedings of the 4th ACM workshop on Digital rights management
Publisher: ACM

Full text available: 📄 pdf(215.18 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 25,   Downloads (12 Months): 137,   Citation Count: 4

> The current landscape for digital rights management(DRM) consists of various ad hoc technologi
> and platforms that largely focus on copy protection. The fragmented nature of the DRM industry
> 2004 is somewhat reminiscent of the telecommunications ...
>
> Keywords: DRM, OSI layers, content protection

2 Digital rights management in a 3G mobile phone and beyond

Thomas S. Messerges, Ezzat A. Dabbish
October 2003 DRM '03: Proceedings of the 3rd ACM workshop on Digital rights management
Publisher: ACM

Full text available: 📄 pdf(306.59 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 43,   Downloads (12 Months): 310,   Citation Count: 2

> In this paper we examine how copyright protection of digital items can be securely managed in
> mobile phone and other devices. First, the basic concepts, strategies, and requirements for digit
> rights management are reviewed. Next, a framework for ...
>
> Keywords: MPEG-21, copyright protection, cryptography, digital content, digital rights
> management, embedded system, key management, mobile phone, open mobile alliance, securit

3 Import/export in digital rights management

Reihaneh Safavi-Naini, Nicholas Paul Sheppard, Takeyuki Uehara
October 2004 DRM '04: Proceedings of the 4th ACM workshop on Digital rights management
Publisher: ACM

Full text available: 📄 pdf(211.60 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 21,   Downloads (12 Months): 161,   Citation Count: 3

> The inherently controlled nature of digital rights management systems does little to promote int
> operability of systems provided by different vendors. In this paper, we consider import and expc
> functionality by which multimedia protected by one digital ...

Keywords: digital rights management, export, import, inter-operability

4   Communications of the ACM: Volume 51 Issue 6
June 2008 issue   Volume 51 Issue 6
Publisher: ACM
Full text available: pdf(8.89 MB) digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 284, Downloads (12 Months): 284, Citation Count: 0

5   Secure information sharing enabled by Trusted Computing and PEI models
Ravi Sandhu, Kumar Ranganathan, Xinwen Zhang
March 2006 ASIACCS '06: Proceedings of the 2006 ACM Symposium on Information, computer and
           communications security
Publisher: ACM
Full text available: pdf(210.37 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 236, Citation Count: 1

The central goal of secure information sharing is to "share but protect" where the motivation to
"protect" is to safeguard the sensitive content from unauthorized disclosure (in contrast to
protecting the content to avoid loss of revenue as in retail ...

Keywords: PEI models, access control, authorization, secure information sharing, security
framework, trusted computing

6   Towards a secure and interoperable DRM architecture
Gelareh Taban, Alvaro A. Cárdenas, Virgil D. Gligor
October 2006 DRM '06: Proceedings of the ACM workshop on Digital rights management
Publisher: ACM
Full text available: pdf(442.79 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 262, Citation Count: 0

In this paper we look at the problem of interoperability of digital rights management (DRM)syst
in home networks. We introduce an intermediate module called the Domain Interoperability
Manager (DIM) to efficiently deal with the problem of content ...

Keywords: DRM, home networks, interoperability

7   Communications of the ACM: Volume 51 Issue 2
February 2008 issue   Volume 51 Issue 2
Publisher: ACM
Full text available: pdf(3.89 MB) digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 549, Downloads (12 Months): 1641, Citation Count: 0

8   DRM interoperability analysis from the perspective of a layered framework
Gregory L. Heileman, Pramod A. Jamkhedkar
November 2005 DRM '05: Proceedings of the 5th ACM workshop on Digital rights management

Publisher: ACM

Full text available: pdf(295.51 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 121,   Citation Count: 2

Interoperability is currently seen as one of the most significant problems facing the digital rights management (DRM) industry. In this paper we consider the problem of interoperability among D systems from the perspective of a layered architectural ...

Keywords: DRM, interoperability, layered architecture

9 DRM, trusted computing and operating system architecture
Jason F. Reid, William J. Caelli
January 2005 ACSW Frontiers '05: Proceedings of the 2005 Australasian workshop on Grid computing and e-research - Volume 44,   Volume 44
Publisher: Australian Computer Society, Inc.

Full text available: pdf(191.31 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 21,   Downloads (12 Months): 208,   Citation Count: 1

Robust technological enforcement of DRM licenses assumes that the prevention of direct access the raw bit representation of decrypted digital content and the license enforcement mechanisms themselves is possible. This is difficult to achieve on an ...

10 A DRM security architecture for home networks
Bogdan C. Popescu, Bruno Crispo, Andrew S. Tanenbaum, Frank L.A.J. Kamperman
October 2004 DRM '04: Proceedings of the 4th ACM workshop on Digital rights management
Publisher: ACM

Full text available: pdf(222.46 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 28,   Downloads (12 Months): 147,   Citation Count: 2

This paper describes a security architecture allowing digital rights management in home networ consisting of consumer electronic devices. The idea is to allow devices to establish dynamic grou so called "Authorized Domains", where legally acquired ...

Keywords: DRM architectures, compliant CE devices, digital content protection

11 Privacy protection for signed media files: a separation-of-duty approach to the lightweight [(LWDRM) system
Rüdiger Grimm, Patrick Aichroth
September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multimedia and security
Publisher: ACM

Full text available: pdf(256.47 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 47,   Citation Count: 0

The aim of strong digital rights management (DRM) is to enforce usage rules in end-user device behalf of content providers. Strong DRM is not well accepted by customers. Moreover, strong DF repeatedly circumvented and broken. Since Napster (and ...

Keywords: LWDRM, light weight digital rights management, privacy, pseudonyms, separation c duty, virtual goods

12 A technical architecture for enforcing usage control requirements in service-oriented
architectures

Agreiter Berthold, Muhammad Alam, Ruth Breu, Michael Hafner, Alexander Pretschner, Jean-Pierre
Seifert, Xinwen Zhang
November 2007 SWS '07: Proceedings of the 2007 ACM workshop on Secure web services
Publisher: ACM

Full text available: pdf(647.83 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 37,   Downloads (12 Months): 259,   Citation Count: 0

> We present an approach to modeling and enforcing usage control requirements on remote client
> service-oriented architectures. Technically, this is done by leveraging a trusted software stack
> relying on a hardware-based root of trust and a trusted ...
>
> Keywords: SOA, access control, policies, trusted computing, usage control

13 On the implications of machine virtualization for DRM and fair use: a case study of a virtual
audio device driver

Ninad Ghodke, Renato Figueiredo
October 2004 DRM '04: Proceedings of the 4th ACM workshop on Digital rights management
Publisher: ACM

Full text available: pdf(328.01 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 94,   Citation Count: 0

> This paper examines the architecture of present day systems and shows that they are not
> trustworthy enough to support certain DRM features/restrictions, even when the DRM delivery
> system exclusively utilizes signed and protected operating system components. ...
>
> Keywords: digital rights management, virtual devices, virtual machines

14 Fair use, DRM, and trusted computing

John S. Erickson
April 2003   Communications of the ACM, Volume 46 Issue 4
Publisher: ACM

Full text available: pdf(100.36 KB) html(29.25 KB) Additional Information: full citation, abstract, references, cited b
                                                                                  index terms

Bibliometrics: Downloads (6 Weeks): 59,   Downloads (12 Months): 357,   Citation Count: 5

> How can DRM architectures protect historical copyright limitations like fair use while ensuring th
> security and property interests of copyright owners?

15 Privacy guaranteeing execution containers: one time use of personal data by location base
services

Peter Langendoerfer, Michael Maaser
February 2008 MOBILWARE '08: Proceedings of the 1st international conference on MOBILe Wirele
                MiddleWARE, Operating Systems, and Applications
Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)

Full text available: pdf(138.49 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 23,   Citation Count: 0

> Privacy issues are becoming more and more important especially since the cyber and the real w
> are converging up to certain extent when using mobile devices. Means that really protect privac

are still missing. The problem is, as soon as a user provides ...

Keywords: P3P, location based services, privacy enhancing techniques

Results 1 - 15 of 15

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Terms used: register registration proximity test ping response time

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1   Centaurus: an infrastructure for service management in ubiquitous computing environment
    Lalana Kagal, Vladimir Korolev, Sasikanth Avancha, Anupam Joshi, Tim Finin, Yelena Yesha
    November 2002 Wireless Networks,   Volume 8 Issue 6
    Publisher: Kluwer Academic Publishers
    Full text available: 📄 pdf(553.67 KB)   Additional Information: full citation, abstract, references, cited by, index terms

    Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 42,   Citation Count: 2

        In the near future, we will see dramatic changes in computing and networking hardware. A large
        number of devices (e.g., phones, PDAs, even small household appliances) will become
        computationally enabled. Micro/nano sensors will be widely embedded in ...

        Keywords: mobile computing, pervasive computing, service management, ubiquitous computir

2   interactions: Volume 15 Issue 3
    May 2008 issue   Volume 15 Issue 3
    Publisher: ACM
    Full text available: 📄 pdf(7.95 MB) 🖹 digital edition Additional Information: full citation

    Bibliometrics: Downloads (6 Weeks): 160, Downloads (12 Months): 160, Citation Count: 0

3   Communications of the ACM: Volume 51 Issue 6
    June 2008 issue   Volume 51 Issue 6
    Publisher: ACM
    Full text available: 📄 pdf(8.89 MB) 🖹 digital edition Additional Information: full citation

    Bibliometrics: Downloads (6 Weeks): 284, Downloads (12 Months): 284, Citation Count: 0

4   Projectors: advanced graphics and vision techniques
    Ramesh Raskar
    August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
    Publisher: ACM
    Full text available: 📄 pdf(6.53 MB)   Additional Information: full citation, cited by

    Bibliometrics: Downloads (6 Weeks): 121, Downloads (12 Months): 691, Citation Count: 1

5 Communications of the ACM: Volume 51 Issue 5
May 2008   issue   Volume 51 Issue 5
Publisher: ACM
Full text available: pdf(7.28 MB) digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 355,   Downloads (12 Months): 355,   Citation Count: 0

6 Queue: Volume 6 Issue 2
March 2008 issue   Volume 6 Issue 2
Publisher: ACM
Full text available: pdf(7.96 MB) digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 24,   Downloads (12 Months): 24,   Citation Count: 0

7 Communications of the ACM: Volume 51 Issue 3
March 2008 issue   Volume 51 Issue 3
Publisher: ACM
Full text available: pdf(7.56 MB) digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 98,   Downloads (12 Months): 483,   Citation Count: 0

8 ACM SIGCOMM Computer Communication Review: Volume 35 Issue 1
January 2005 issue   Volume 35 Issue 1
Publisher: ACM
Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

9 Communications of the ACM: Volume 51 Issue 4
April 2008   issue   Volume 51 Issue 4
Publisher: ACM
Full text available: pdf(4.24 MB) digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 698,   Downloads (12 Months): 1236,   Citation Count: 0

10 High dynamic range imaging
Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: pdf(20.22 MB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 135,   Downloads (12 Months): 776,   Citation Count: 0

Current display devices can display only a limited range of contrast and colors, which is one of t
main reasons that most image acquisition, processing, and display techniques use no more than
eight bits per color channel. This course outlines recent ...

11 Communications of the ACM: Volume 51 Issue 7
July 2008   issue   Volume 51 Issue 7
Publisher: ACM
Full text available: pdf(6.54 MB) digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 102, Downloads (12 Months): 102, Citation Count: 0

12 GPGPU: general purpose computation on graphics hardware
David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aa
Lefohn
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: pdf(63.03 MB)   Additional Information: full citation, abstract, cited by

Bibliometrics: Downloads (6 Weeks): 241, Downloads (12 Months): 1458, Citation Count: 3

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely
powerful and flexible processor. The latest graphics architectures provide tremendous memory
bandwidth and computational horsepower, with fully programmable vertex ...

13 Level set and PDE methods for computer graphics
David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: pdf(17.07 MB)   Additional Information: full citation, abstract, cited by

Bibliometrics: Downloads (6 Weeks): 184, Downloads (12 Months): 1165, Citation Count: 4

Level set methods, an important class of partial differential equation (PDE) methods, define
dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The
course begins with preparatory material that introduces the ...

14 Communications of the ACM: Volume 51 Issue 1
January 2008 issue   Volume 51 Issue 1
Publisher: ACM
Full text available: pdf(5.97 MB) digital edition Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 908, Downloads (12 Months): 2862, Citation Count: 0

15 The AROUND architecture for dynamic location-based services
Rui José, Adriano Moreira, Helena Rodrigues, Nigel Davies
August 2003 Mobile Networks and Applications, Volume 8 Issue 4
Publisher: Kluwer Academic Publishers

Full text available: pdf(194.30 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 121,   Citation Count: 2

This paper presents a generic concept of location-based service as an abstraction for supporting the association between computational resources and location. The objective is to extend the advantages of service-based architectures to the development ...

Keywords: info-mobility, location-based services, mobile computing, service discovery

16 Proceedings of the 2005 conference on Asia South Pacific design automation
Ting-Ao Tang
January 2005 proceeding
Publisher: ACM
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

It's a great pleasure for me on behalf of the Organizing Committee to welcome you to the tenth Asia and South Pacific Design Automation Conference(ASP-DAC 2005) which is a sister conferen of DAC, DATE, and ICCAD. ASP-DAC 2005 will be held in Hotel ...

17 An architecture for secure wide-area service discovery
Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz
March 2002 Wireless Networks,   Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers
Full text available: pdf(365.68 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 18,   Downloads (12 Months): 113,   Citation Count: 5

The widespread deployment of inexpensive communications technology, computational resource in the networking infrastructure, and network-enabled end devices poses an interesting problem for end users: how to locate a particular network service or device ...

Keywords: location services, name lookup, network protocols, service discovery

18 A simple mechanism for capturing and replaying wireless channels
Glenn Judd, Peter Steenkiste
August 2005 E-WIND '05: Proceedings of the 2005 ACM SIGCOMM workshop on Experimental
                approaches to wireless network design and analysis
Publisher: ACM
Full text available: pdf(5.06 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 73,   Downloads (12 Months): 485,   Citation Count: 1

Physical layer wireless network emulation has the potential to be a powerful experimental tool. important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility ...

Keywords: channel capture, emulation, wireless

19 Realistic materials in computer graphics
Hendrik P. A. Lensch, Michael Goesele, Yung-Yu Chuang, Tim Hawkins, Steve Marschner, Wojciech Matusik, Gero Mueller

July 2005   SIGGRAPH '05: ACM SIGGRAPH 2005 Courses
Publisher: ACM
Full text available: pdf(18.24 MB)   Additional Information: full citation, references
Bibliometrics: Downloads (6 Weeks): 139,   Downloads (12 Months): 772,   Citation Count: 0

20 Visualising dynamic memory allocators
A. M. Cheadle, A. J. Field, J. W. Ayres, N. Dunn, R. A. Hayden, J. Nystrom-Persson
June 2006   ISMM '06: Proceedings of the 5th international symposium on Memory management
Publisher: ACM
Full text available: pdf(177.16 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 83,   Citation Count: 0

We present generic extensions to the GCspy visualisation frame-work that make it suitable for
tracking the way continuous dynamic memory allocators such as dlmalloc or incremental and
concurrent garbage collectors make use of heap memory. These ...

Keywords: dynamic memory allocation, garbage collection, language implementation, memory
management, visualisation of objects

Results 1 - 20 of 21   Result page: 1   2

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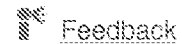
((register or registration) and (maximum or max or upper or threshold or limit)
Terms used: register registration maximum max upper threshold limit

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1 **Queue: Volume 6 Issue 2**
March 2008 issue   Volume 6 Issue 2
Publisher: ACM
Full text available: ▨ pdf(7.96 MB) ▨ digital edition Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 24,   Downloads (12 Months): 24,   Citation Count: 0

2 **Shape-based retrieval and analysis of 3D models**
Thomas Funkhouser, Michael Kazhdan
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: ▨ pdf(12.56 MB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 111,   Downloads (12 Months): 611,   Citation Count: 0

   Large repositories of 3D data are rapidly becoming available in several fields, including mechani
   CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an
   increasing need for computer algorithms to help people find ...

3 **High dynamic range imaging**
Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: ▨ pdf(20.22 MB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 135,   Downloads (12 Months): 776,   Citation Count: 0

   Current display devices can display only a limited range of contrast and colors, which is one of t
   main reasons that most image acquisition, processing, and display techniques use no more than
   eight bits per color channel. This course outlines recent ...

4 **Facial modeling and animation**
Jörg Haber, Demetri Terzopoulos
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available: pdf(18.15 MB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 157, Downloads (12 Months): 997, Citation Count: 0

In this course we present an overview of the concepts and current techniques in facial modeling and animation. We introduce this research area by its history and applications. As a necessary prerequisite for facial modeling, data acquisition is discussed ...

5 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aaron Lefohn
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM

Full text available: pdf(63.03 MB)   Additional Information: full citation, abstract, cited by

Bibliometrics: Downloads (6 Weeks): 241, Downloads (12 Months): 1458, Citation Count: 3

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely powerful and flexible processor. The latest graphics architectures provide tremendous memory bandwidth and computational horsepower, with fully programmable vertex ...

6 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM

Full text available: pdf(17.07 MB)   Additional Information: full citation, abstract, cited by

Bibliometrics: Downloads (6 Weeks): 184, Downloads (12 Months): 1165, Citation Count: 4

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the ...

7 Realistic materials in computer graphics

Hendrik P. A. Lensch, Michael Goesele, Yung-Yu Chuang, Tim Hawkins, Steve Marschner, Wojciech Matusik, Gero Mueller
July 2005 SIGGRAPH '05: ACM SIGGRAPH 2005 Courses
Publisher: ACM

Full text available: pdf(18.24 MB)   Additional Information: full citation, references

Bibliometrics: Downloads (6 Weeks): 139, Downloads (12 Months): 772, Citation Count: 0

8 Exploiting perception in high-fidelity virtual environments

Additional presentations from the 24th course are available on the citation page
Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez
July 2006 SIGGRAPH '06: ACM SIGGRAPH 2006 Courses
Publisher: ACM

Full text available: pdf(5.07 MB) mov(68:6 MIN)   Additional Information: full citation, appendices and supplements, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 277,   Downloads (12 Months): 1646,   Citation Count: 1

The objective of this course is to provide an introduction to the issues that must be considered when building high-fidelity 3D engaging shared virtual environments. The principles of human perception guide important development of algorithms and techniques ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, multi-user, networked applications, perception, virtual reality

9   Supporting large-scale distributed simulation using HLA

Tainchi Lu, Chungnan Lee, Wenyang Hsia, Mingtang Lin
July 2000   ACM Transactions on Modeling and Computer Simulation (TOMACS),   Volume 10 Is 3
Publisher: ACM
Full text available: pdf(239.58 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 98,   Citation Count: 4

This article describes the design of a Web-based environment to support large-scale distributed simulation using Java and IEEE standard P1516 high level architecture (HLA) framework and rul Based on the run-time infrastructure (RTI) services within ...

Keywords: data distribution management (DDM), distributed interactive simulation (DIS), high level architecture (HLA), modeling and simulation, networked virtual environment, run-time infrastructure (RTI)

10   Mobile and multicast IP services in PACS: system architecture, prototype, and performanc

Yongguang Zhang, Bo Ryu
January 2001 Mobile Networks and Applications,   Volume 6 Issue 1
Publisher: Kluwer Academic Publishers
Full text available: pdf(299.74 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 42,   Citation Count: 1

Keywords: Mobile IP, PACS, cellular network, internet service, multicast

11   DIRAC: a software-based wireless router system

Petros Zerfos, Gary Zhong, Jerry Cheng, Haiyun Luo, Songwu Lu, Jefferey Jia-Ru Li
September 2003 MobiCom '03: Proceedings of the 9th annual international conference on Mobile computing and networking
Publisher: ACM
Full text available: pdf(385.84 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 97,   Citation Count: 1

Routers are expected to play an important role in the IP-based wireless data network. Although substantial number of techniques have been proposed to improve wireless network performance under dynamic wireless channel conditions and host mobility, ...

Keywords: distributed router architecture, wireless network

12   A time-slotted-CDMA architecture and adaptive resource allocation method for connections with diverse QoS guarantees

Samar Singh, Satish K. Tripathi

September 2003 Wireless Networks, Volume 9 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(249.70 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 55, Citation Count: 0

We consider a time-slotted W-CDMA system for mobile stations which are connected to the wire internet. We first present an architecture for such a system that is based on a request-permissic protocol incorporating power control for "Best Effort" transmissions ...

Keywords: QoS guarantees, S-CDMA, bandwidth-sharing, transmission scheduling, wireless M/

13   P^NMPI tools: a whole lot greater than the sum of their parts
Martin Schulz, Bronis R. de Supinski
November 2007 SC '07: Proceedings of the 2007 ACM/IEEE conference on Supercomputing
Publisher: ACM
Full text available: pdf(162.16 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 17, Citation Count: 0

P^NMPI extends the PMPI profiling interface to support multiple concurrent PMPI-based tools by enabling users to assemble tool stacks. We extend this basic concept to include new services for tool interoperability and to switch between ...

14   Synchronizing 3D Movements for Quantitative Comparison and Simultaneous Visualizatior of Actions
Tobias Sielhorst, Tobias Blum, Nassir Navab
October 2005 ISMAR '05: Proceedings of the 4th IEEE/ACM International Symposium on Mixed and Augmented Reality
Publisher: IEEE Computer Society
Full text available: pdf(1.88 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 14, Citation Count: 0

In our poster presentation at ISMAR'04 [11], we proposed the idea of an AR training solution including capture and 3D replays of subtle movements. The crucial part missing for realizing suc a training system was an appropriate way of synchronizing trajectories ...

15   A survey of methods for recovering quadrics in triangle meshes
Sylvain Petitjean
June 2002 ACM Computing Surveys (CSUR), Volume 34 Issue 2
Publisher: ACM
Full text available: pdf(3.91 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 48, Downloads (12 Months): 300, Citation Count: 10

In a variety of practical situations such as reverse engineering of boundary representation from depth maps of scanned objects, range data analysis, model-based recognition and algebraic surface design, there is a need to recover the shape of visible ...

Keywords: Data fitting, geometry enhancement, local geometry estimation, mesh fairing, shap recovery

16 A taxonomy of Data Grids for distributed data sharing, management, and processing

Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao
June 2006 ACM Computing Surveys (CSUR), Volume 38 Issue 1
Publisher: ACM
Full text available: pdf(1.70 MB)   Additional Information: full citation, abstract, references, index terms

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> Data Grids have been adopted as the next generation platform by many scientific communities
> that need to share, access, transport, process, and manage large data collections distributed
> worldwide. They combine high-end computing technologies with high-performance ...
>
> Keywords: Grid computing, data-intensive applications, replica management, virtual
> organizations

17 Modern approaches to augmented reality

Oliver Bimber, Ramesh Raskar
July 2005   SIGGRAPH '05: ACM SIGGRAPH 2005 Courses
Publisher: ACM
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> This tutorial discusses the Spatial Augmented Reality (SAR) concept, its advantages and
> limitations. It will present examples of state-of-the-art display configurations, appropriate real-
> time rendering techniques, details about hardware and software ...

18 Modern approaches to augmented reality
Video files associated with this course are available from the citation page

Oliver Bimber, Ramesh Raskar
August 2007 SIGGRAPH '07: ACM SIGGRAPH 2007 courses
Publisher: ACM
Full text available: pdf(46.17 MB)   Additional Information: full citation, appendices and supplements, abstract,
                                                              references, index terms

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> time rendering techniques, details about hardware and software ...

19 Modern approaches to augmented reality

Oliver Bimber, Ramesh Raskar
July 2006   SIGGRAPH '06: ACM SIGGRAPH 2006 Courses
Publisher: ACM
Full text available: pdf(2.45 MB)   Additional Information: full citation, abstract, references, index terms

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> limitations. It will present examples of state-of-the-art display configurations, appropriate real-
> time rendering techniques, details about hardware and software ...

20 Communications of the ACM: Volume 51 Issue 7

July 2008   issue   Volume 51 Issue 7
Publisher: ACM
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